

Fig 1

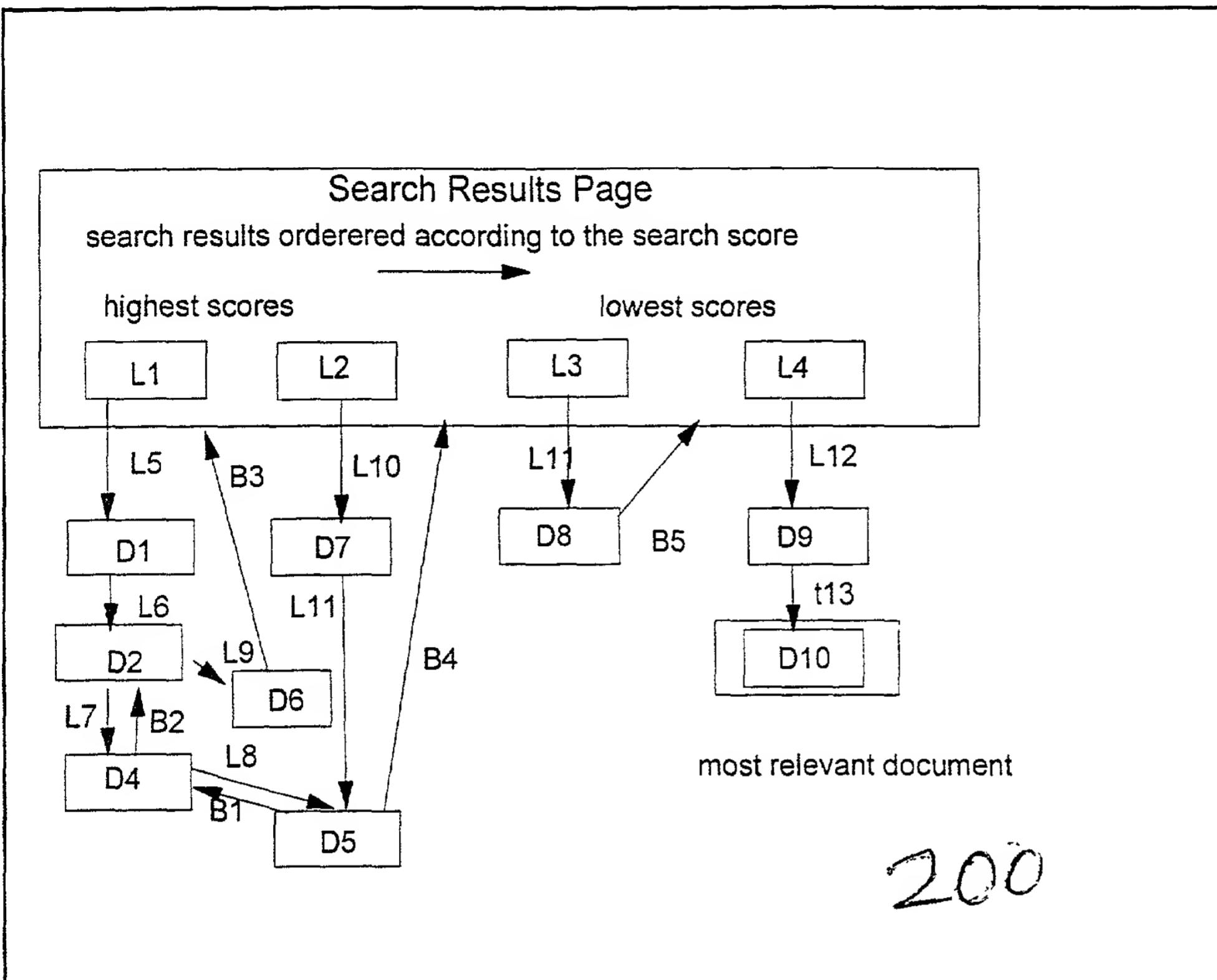


Fig 2

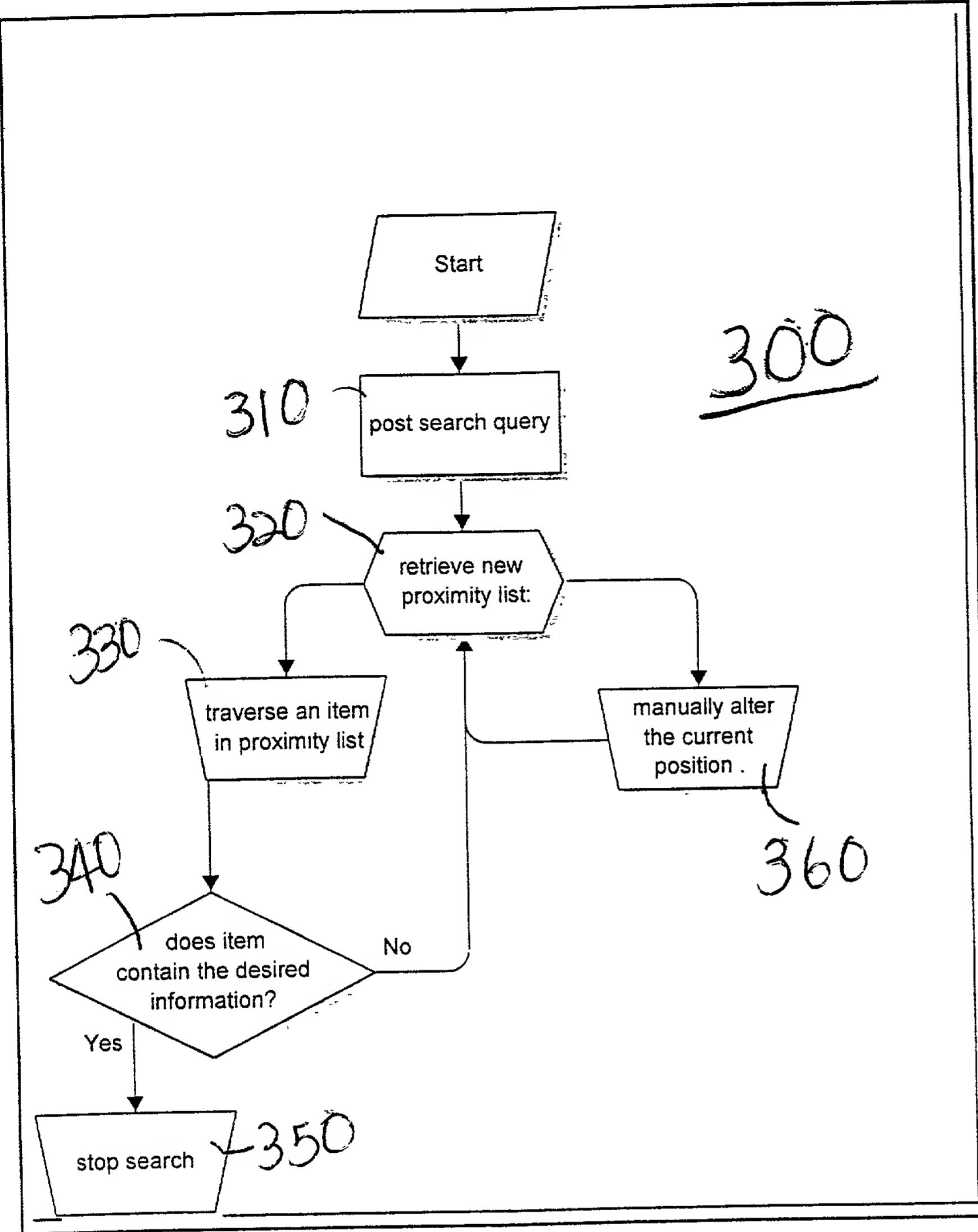


Fig 3

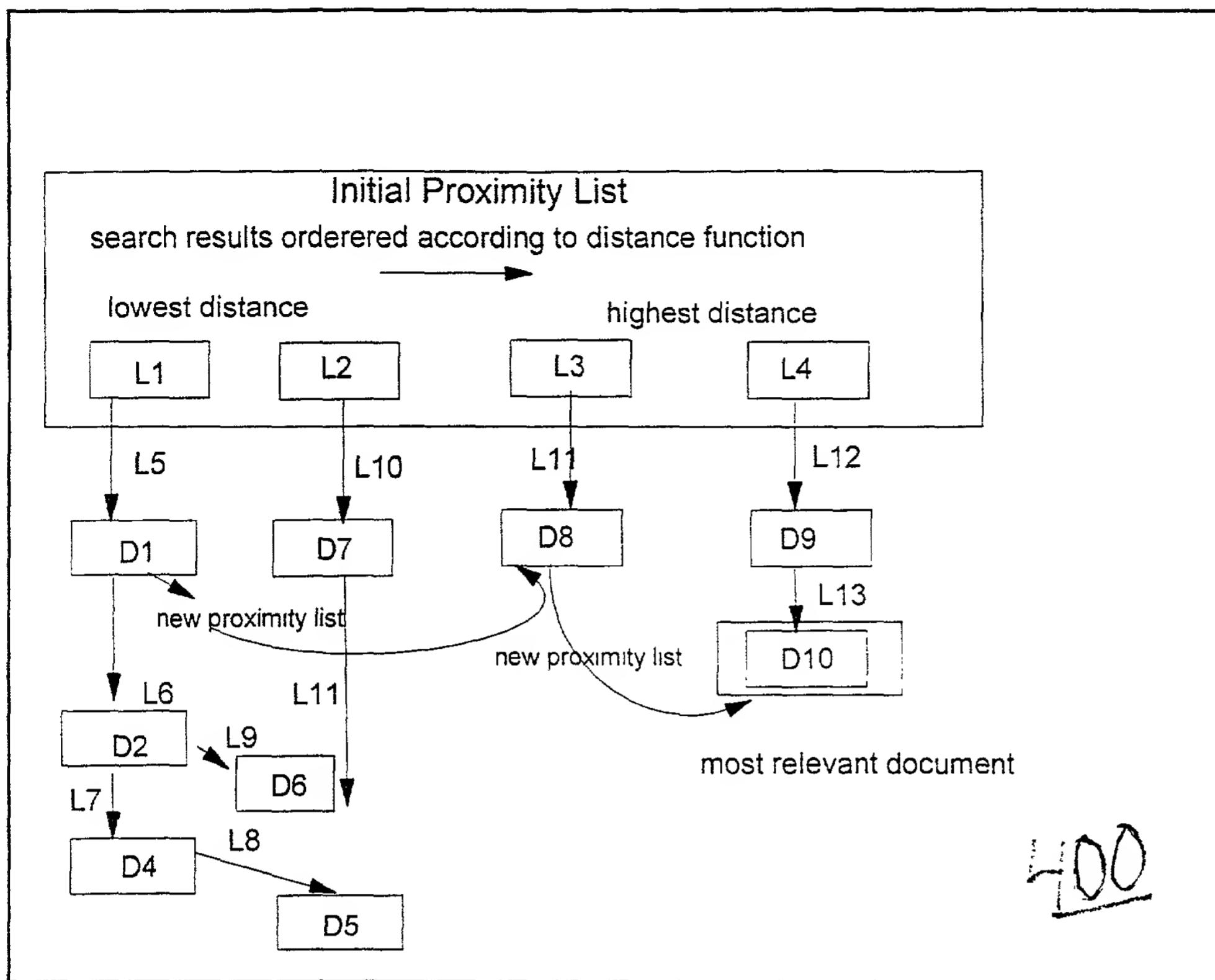


Fig 4

Fig. 5

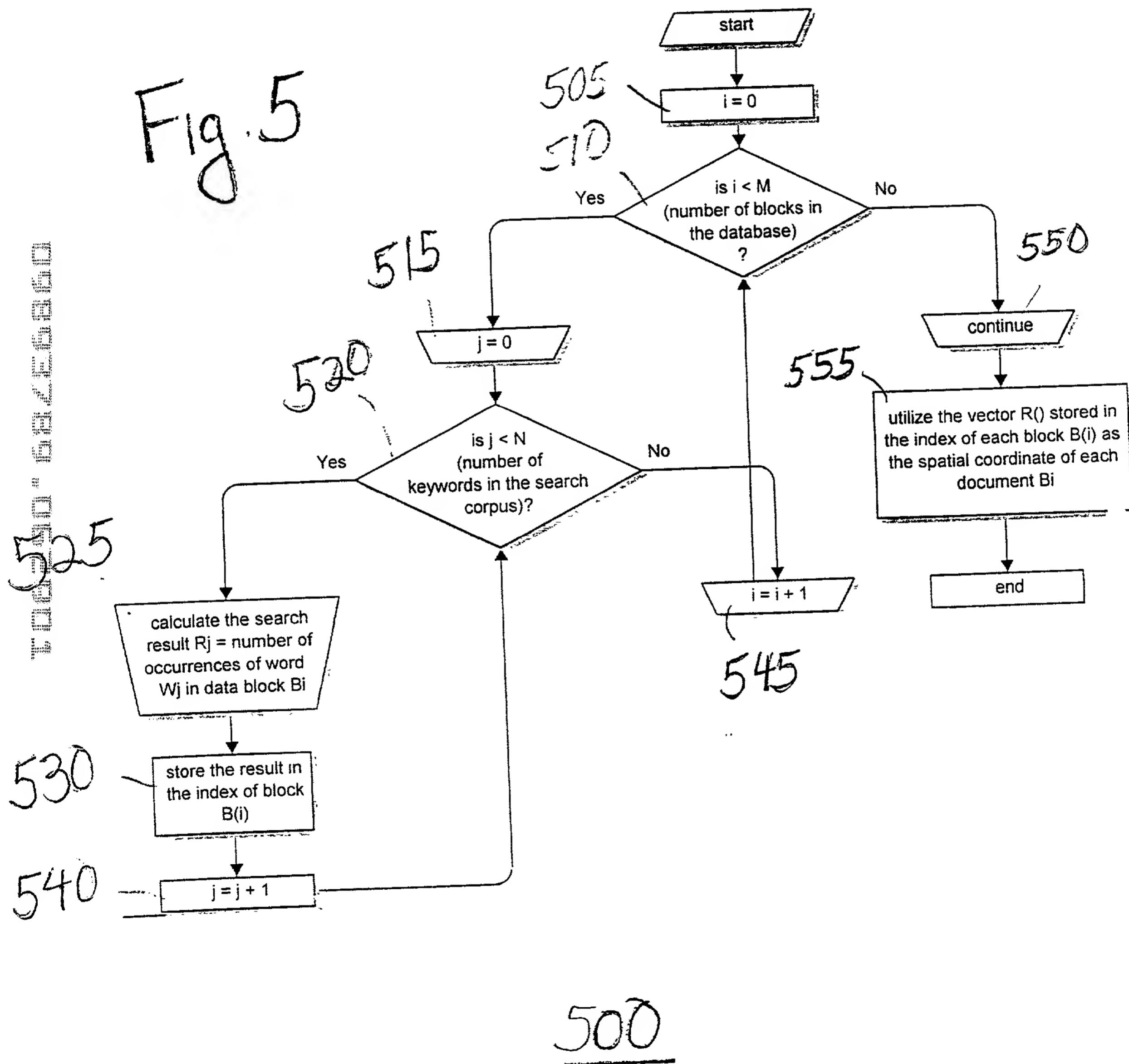
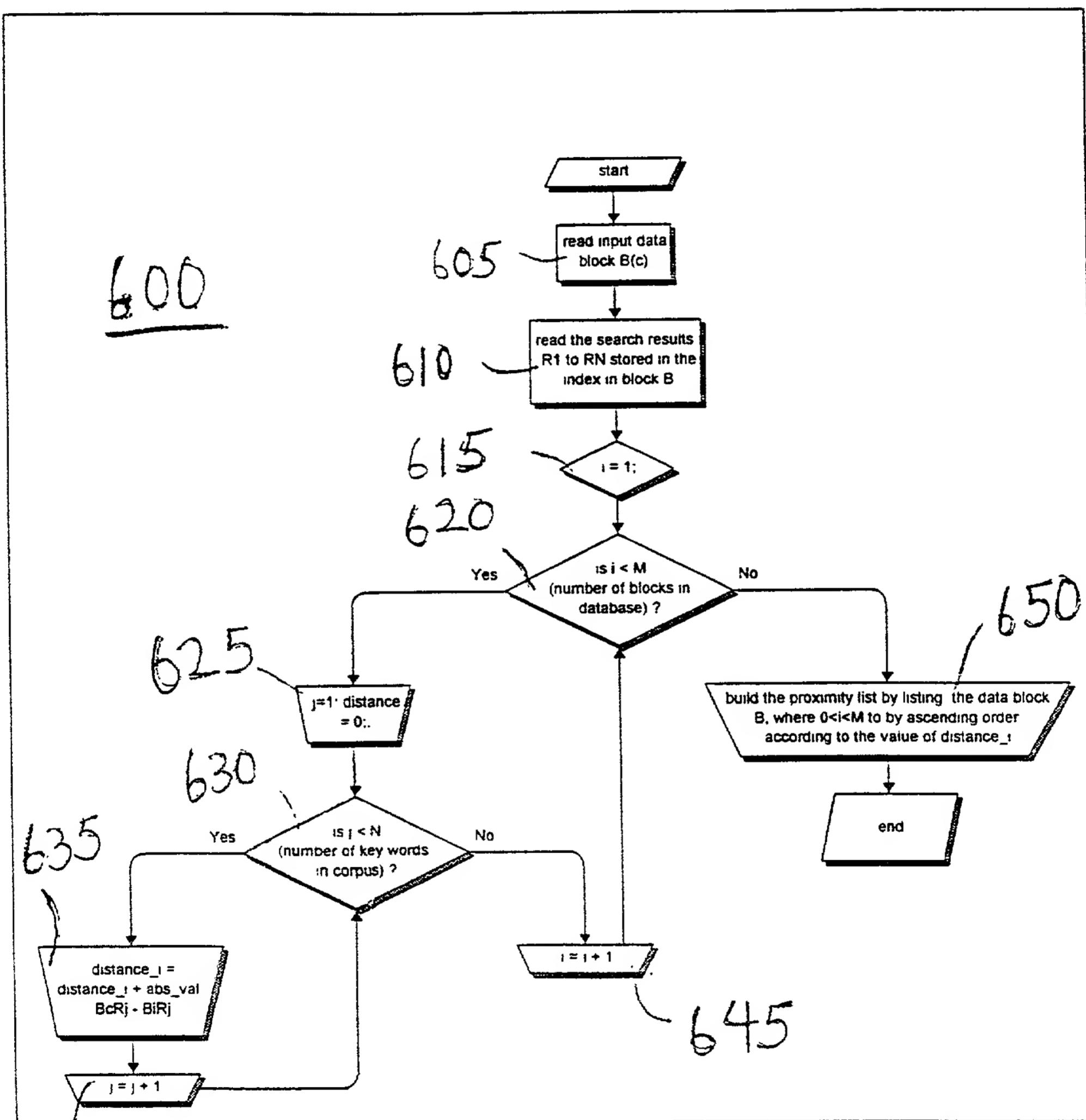


Fig. 6



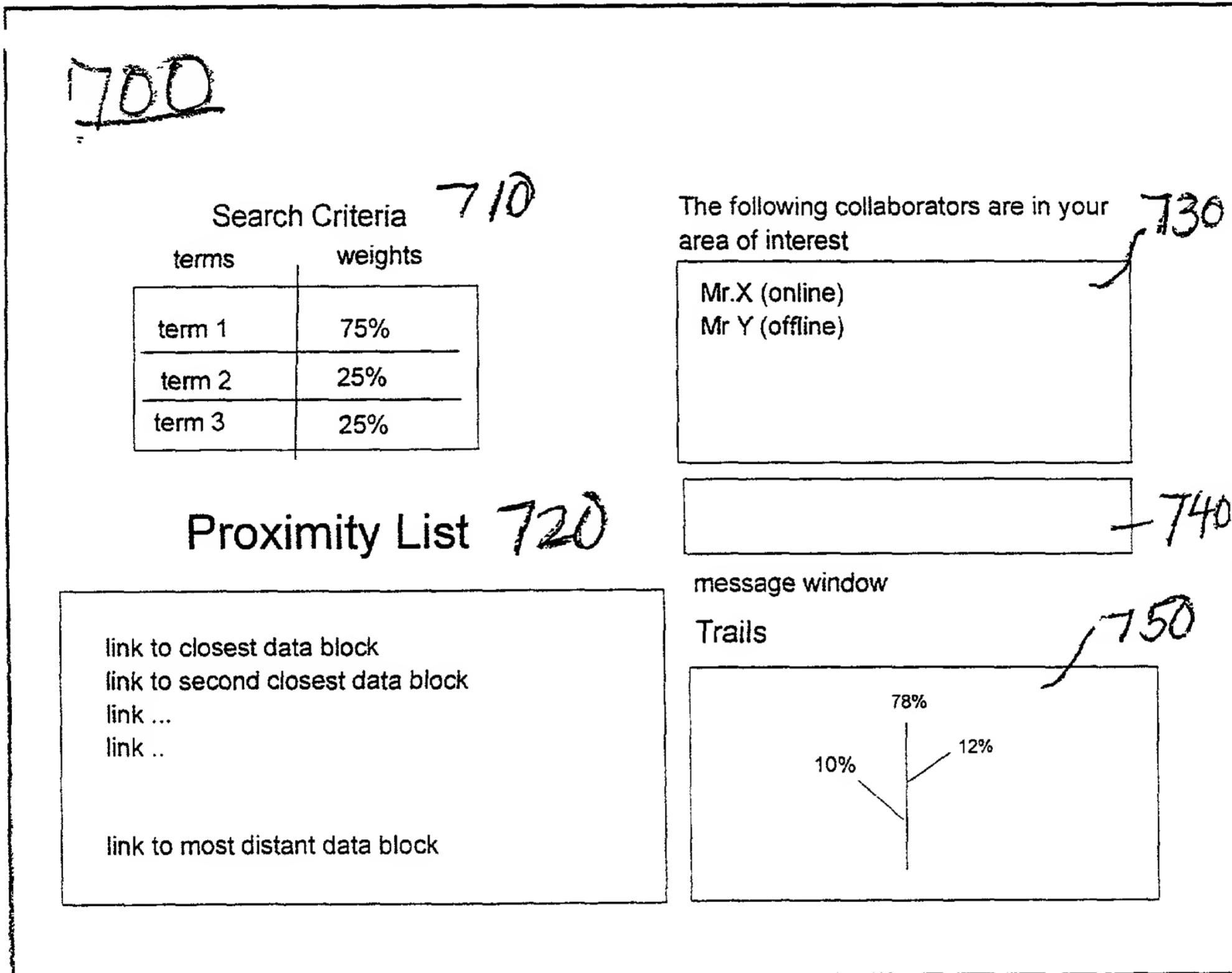
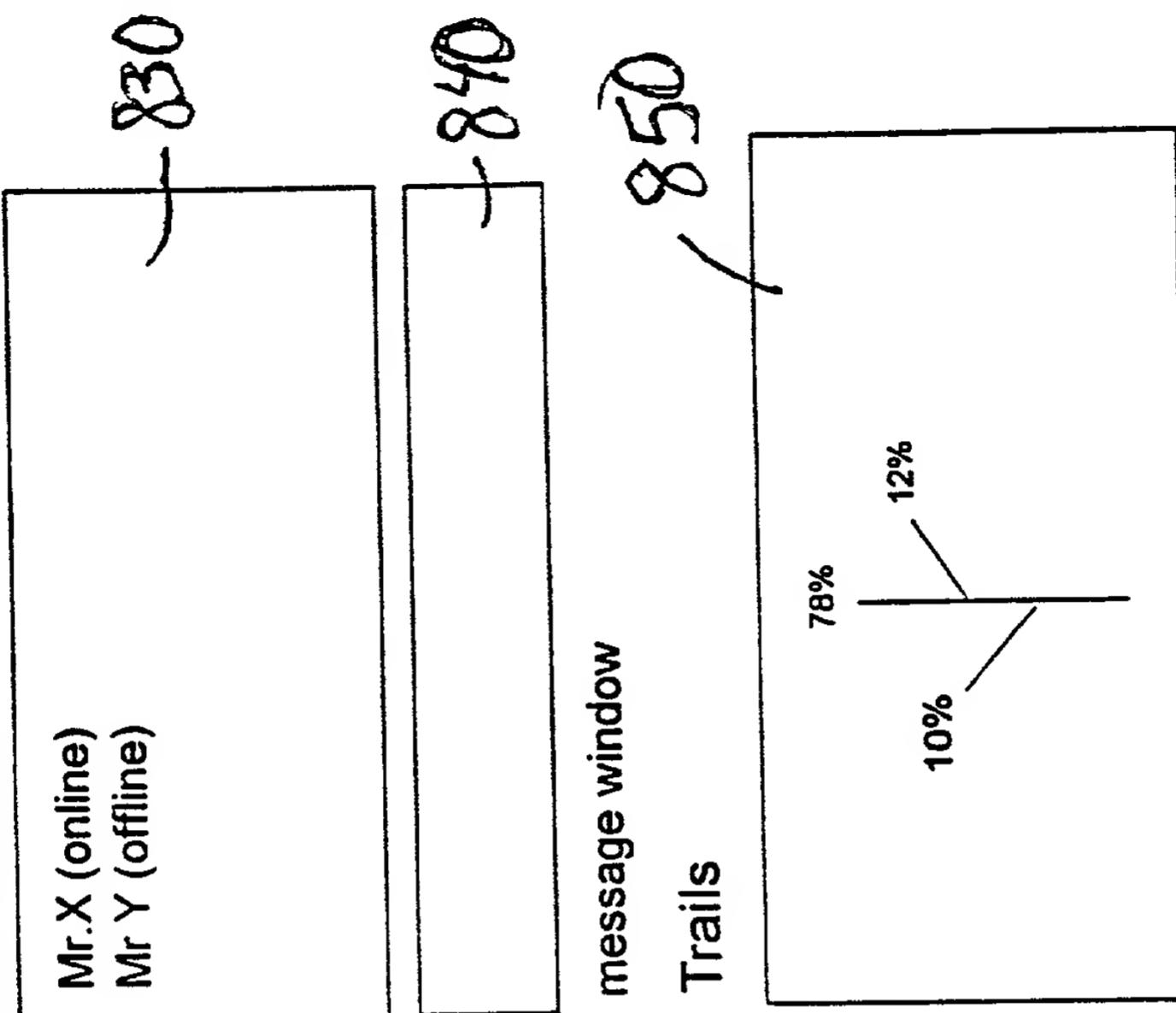


Fig. 7

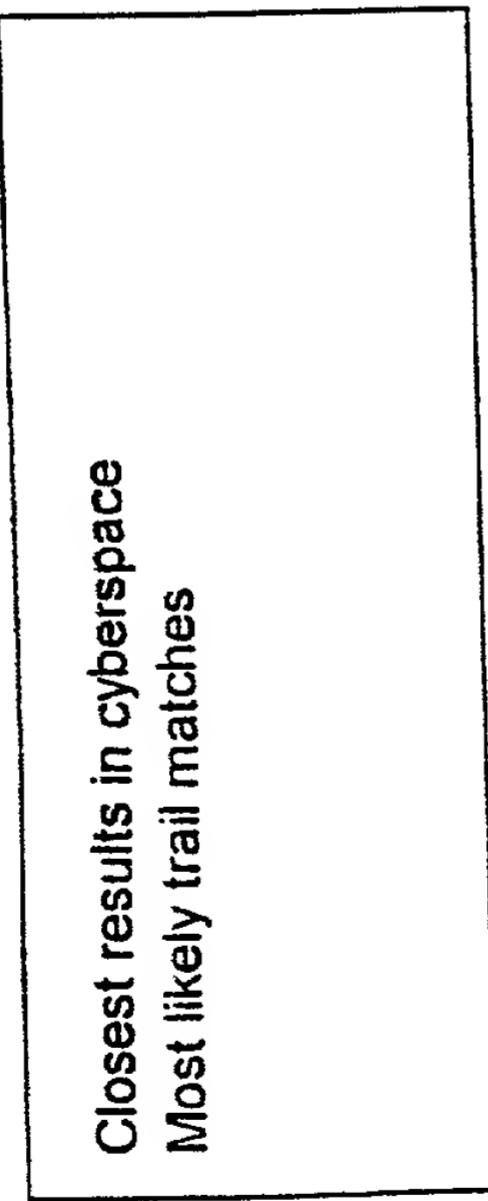
Proposed Prototype: Collaborative Research Portal

800

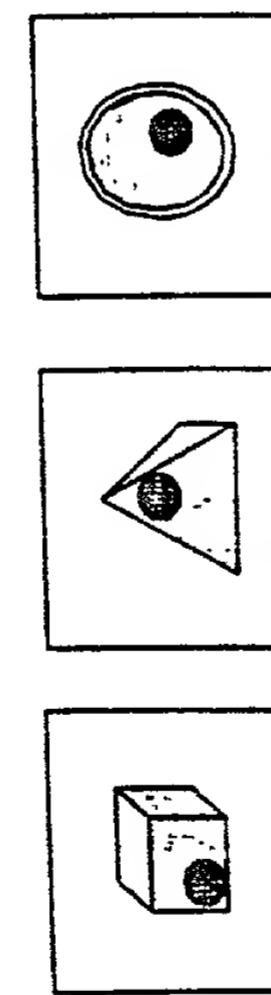
The following collaborators are in your
area of interest



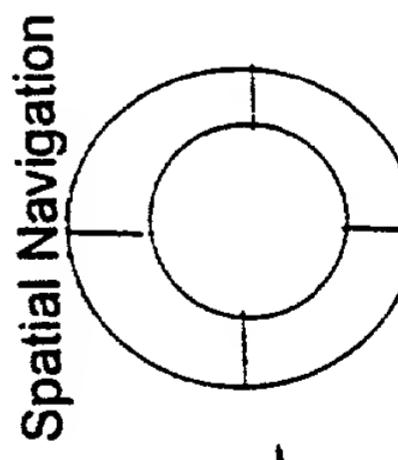
Search Results



Closest results in cyberspace
Most likely trail matches



Three dimensional projections of the search space

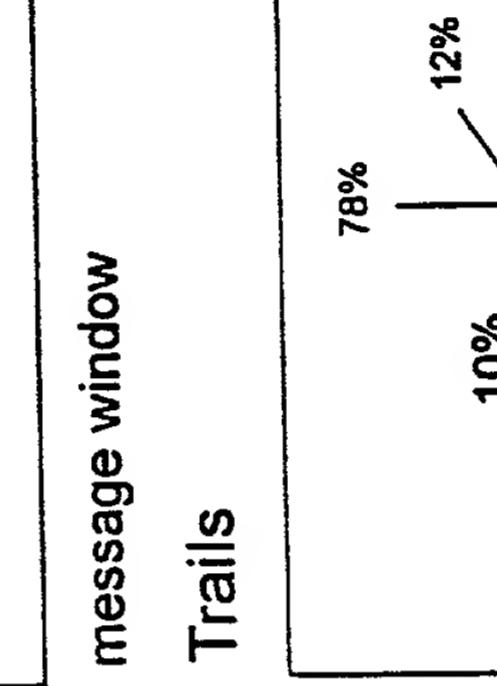


Spatial Navigation

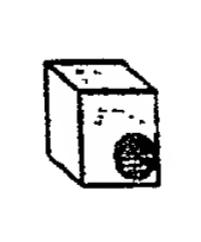
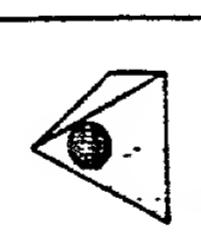
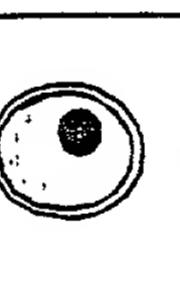
810

Number of navigational dimensions: 4

850



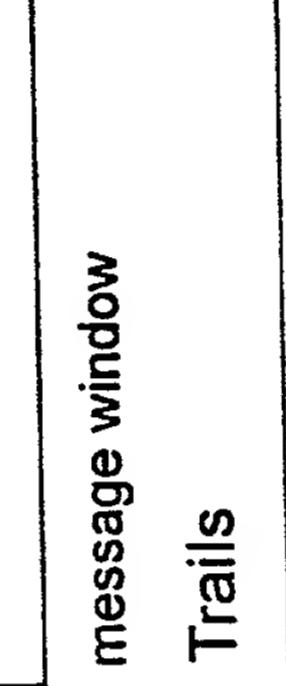
Trails



message window

840

830



message window

830

840

850

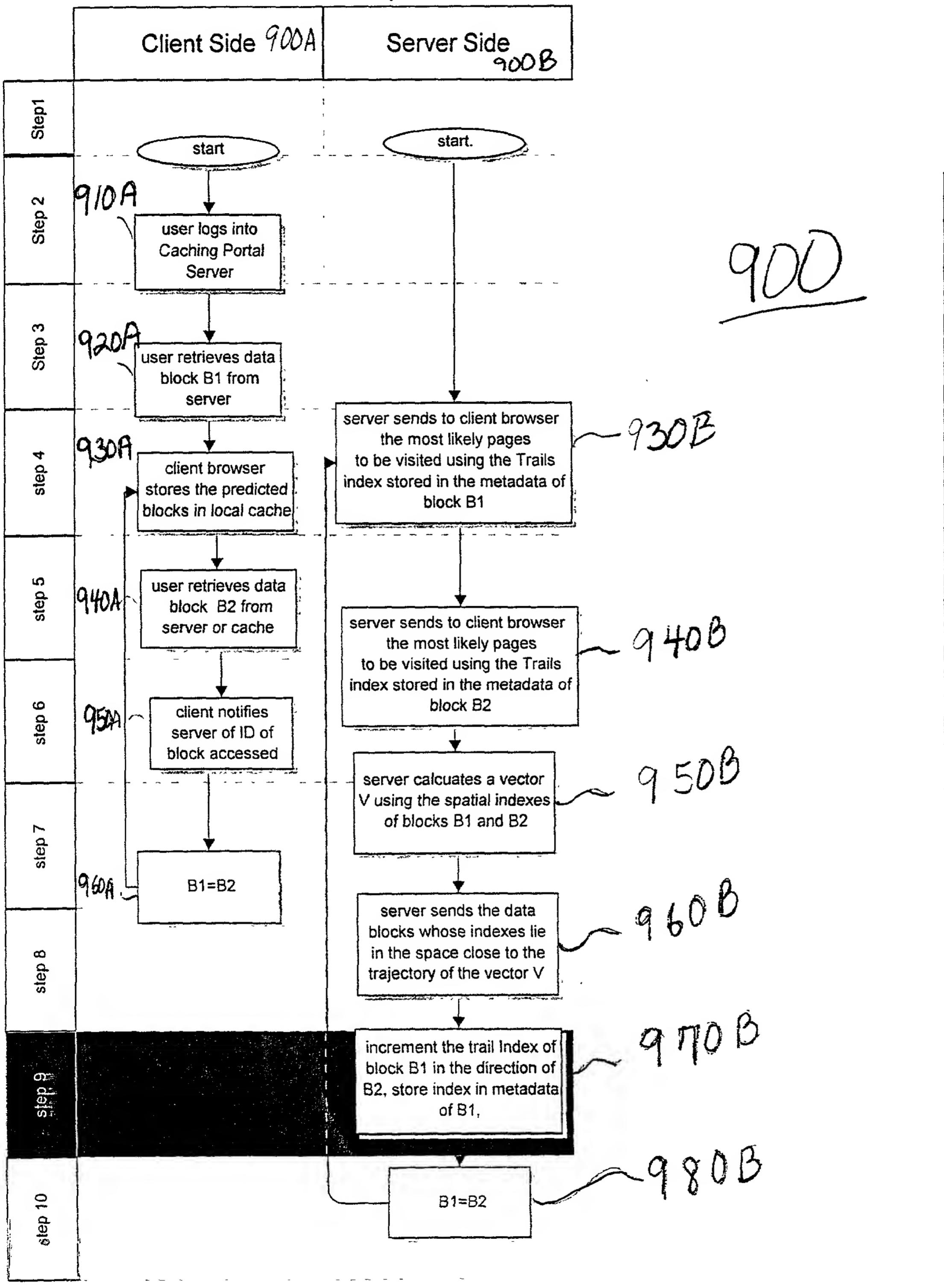


Fig. 9

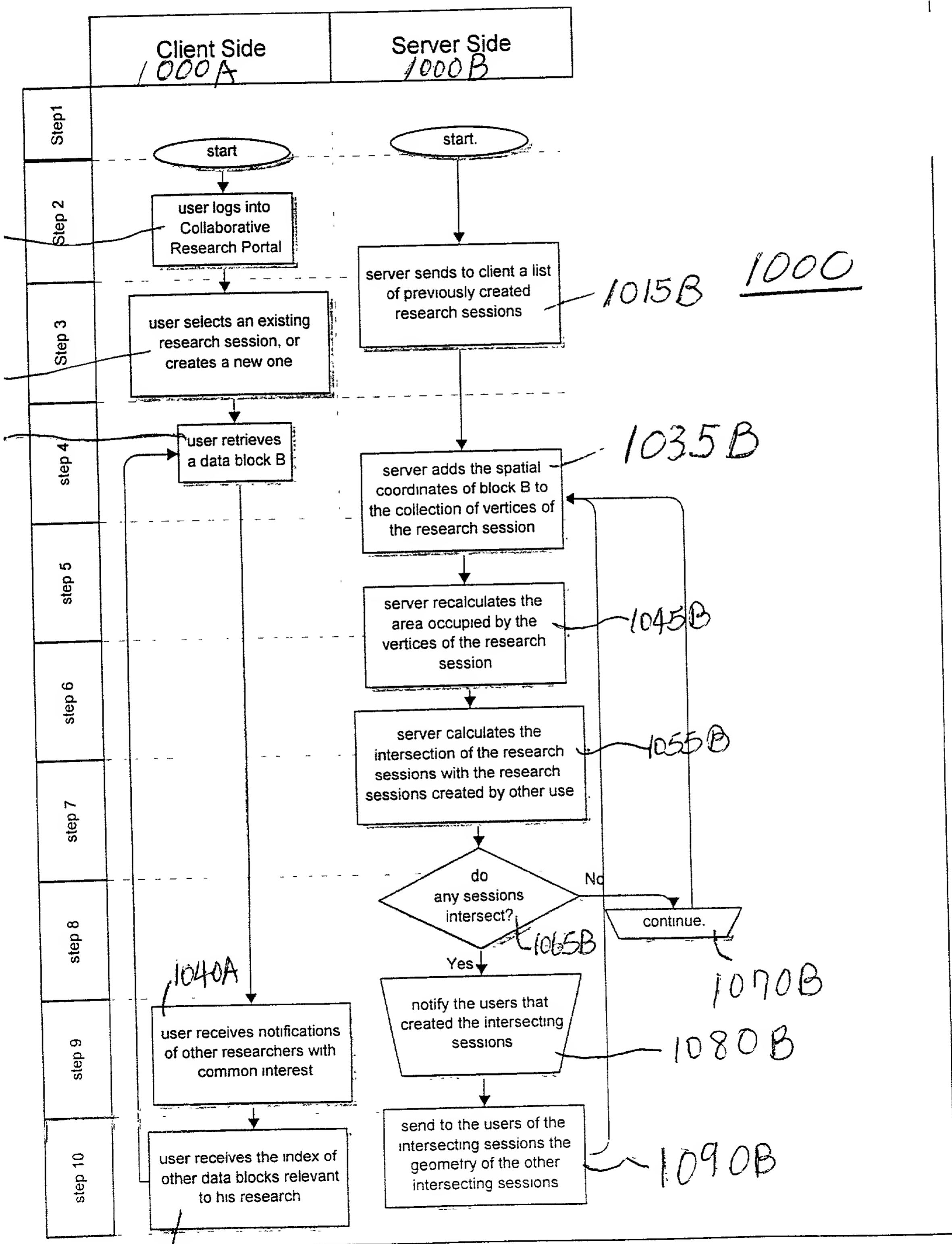


Figure 10

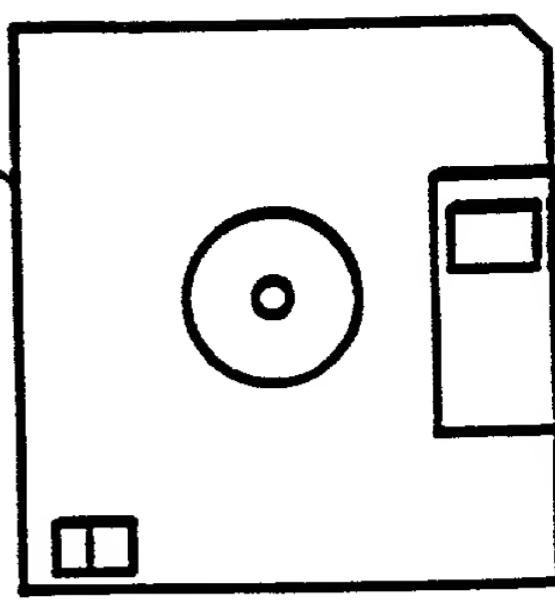
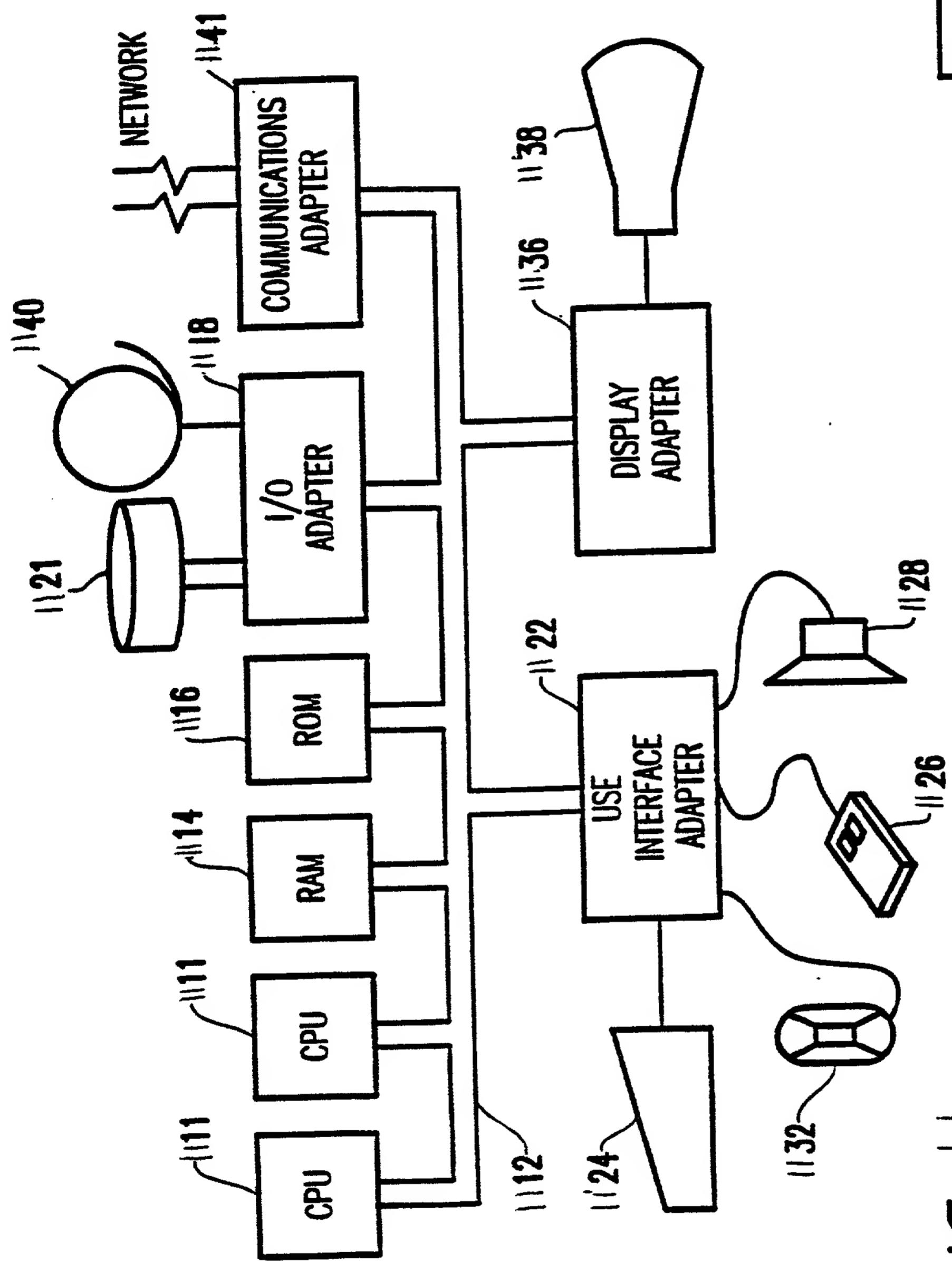


FIG. 12

FIG. 11